

NCBI Sequence Viewer

## Exhibit 1

1: NM\_001400 Homo sapiens endo...  
[gi:13027635]

Related Sequences, OMIM, Protein, PubMed, Taxonomy,  
UniSTS, LinkOut

LOCUS NM\_001400 2753 bp mRNA linear PRI 16-FEB-2001  
 DEFINITION Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 1 (EDG1), mRNA.  
 ACCESSION NM\_001400  
 VERSION NM\_001400.2 GI:13027635  
 KEYWORDS human.  
 SOURCE ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 2753)  
 AUTHORS H.a.T. and Maciag,T.  
 TITLE A1: abundant transcript induced in differentiating human endothelial cells encodes a polypeptide with structural similarities to G-protein-coupled receptors  
 JOURNAL J Biol. Chem. 265 (16), 9308-9313 (1990)  
 MEDLINE 91264425  
 REFERENCE 2 (bases 1 to 2753)  
 AUTHORS A1, S., Bleu, T., Huang, W., Hallmark, O.G., Coughlin, S.R. and Goetzl, E.J.  
 TITLE Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids  
 JOURNAL FEBS Lett. 417 (3), 279-282 (1997)  
 MEDLINE 91072391  
 REFERENCE 3 (bases 1 to 2753)  
 AUTHORS Lee, M.J., Van Brooklyn, J.R., Thangada, S., Liu, C.H., Hand, A.R., Menzelev, R., Spiegel, S. and Hla, T.  
 TITLE Sphingosine-1-phosphate as a ligand for the G protein-coupled receptor EDG-1  
 JOURNAL Science 279 (5356), 1552-1555 (1998)  
 MEDLINE 91155258  
 COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The reference sequence was derived from AF233365.1, M31210.1. On Feb 21, 2001 this sequence version replaced gi:4503454. Summary: The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion.  
 COMPLETENESS: complete on the 3' end.  
 FEATURES source Location/Qualifiers  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"

## NCBI Sequence Viewer

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misc feature  
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BASE COUNT 668 a 707 c 619 g 759 t

## ORIGIN

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Goetz  
Primer 1  
to EDG-1

initiation  
codon

## NCBI Sequence Viewer

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//

Revised: October 24, 2001.

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